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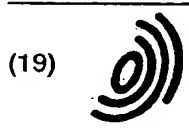
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(54) Plasma display panels

(57) A plasma display panel, of a matrix display type, has a first electrode (X) and a second electrode (Y) which constitute a main electrode pair, the first electrode and the second electrode being covered with an insulating layer (17, 18) against a discharge gas. The insulating layer comprises a magnesium oxide film (18) formed at least as a surface layer thereof which is in contact with the discharge gas, the magnesium oxide film having an impedance in the range of 230 to 330 $k\Omega/cm^2$ at a frequency of 100 Hz.

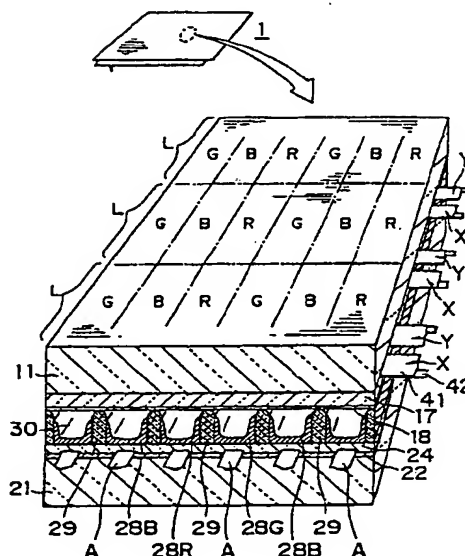


Fig. 4



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EUROPEAN SEARCH REPORT

Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	PATENT ABSTRACTS OF JAPAN vol. 005, no. 125 (E-069), 12 August 1981 & JP 56 061739 A (FUJITSU LTD), 27 May 1981 * abstract *	1,9,10, 12	H01J17/49 H01J17/04
A	PATENT ABSTRACTS OF JAPAN vol. 096, no. 008, 30 August 1996 & JP 08 111178 A (DAINIPPON PRINTING CO LTD), 30 April 1996 * abstract *	1,9,10, 12	
A	US 4 574 280 A (WEBER LARRY F) 4 March 1986 * column 2, line 12 - line 54 * * column 4, line 64 - column 5, line 12; figures 3,4 * * column 8, line 29 - column 9, line 35 *	1,9,10, 12	
X	US 5 454 861 A (HASEGAWA HIROMI ET AL) 3 October 1995 * column 2, line 31 - line 52 * * column 3, line 9 - line 39; figure 1 * * column 7, line 26 - line 38 * * column 8, line 11 - line 21 *	7,8,11	TECHNICAL FIELDS SEARCHED (Int.Cl.6) H01J H01B C03C C23C
A	WO 96 37904 A (FUJITSU LTD ;AMATSU MASASHI (JP); KANAGU SHINJI (JP); SASAKA MASAA) 28 November 1996	13	
P,A	& EP 0 788 131 A (FUJITSU LIMITED) 6 August 1997 * figure 1 * * column 7, line 35 - line 40 *	13	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 9 February 1999	Examiner Noordman, F
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons S : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03 82 (P04C01)



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



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LACK OF UNITY OF INVENTION
SHEET B

Application Number

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-6,9,10,12

Impedance of magnesium oxide film.

2. Claims: 7-8,11,13

Impurity in magnesium oxide film.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 97 30 8899

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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09-02-1999

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